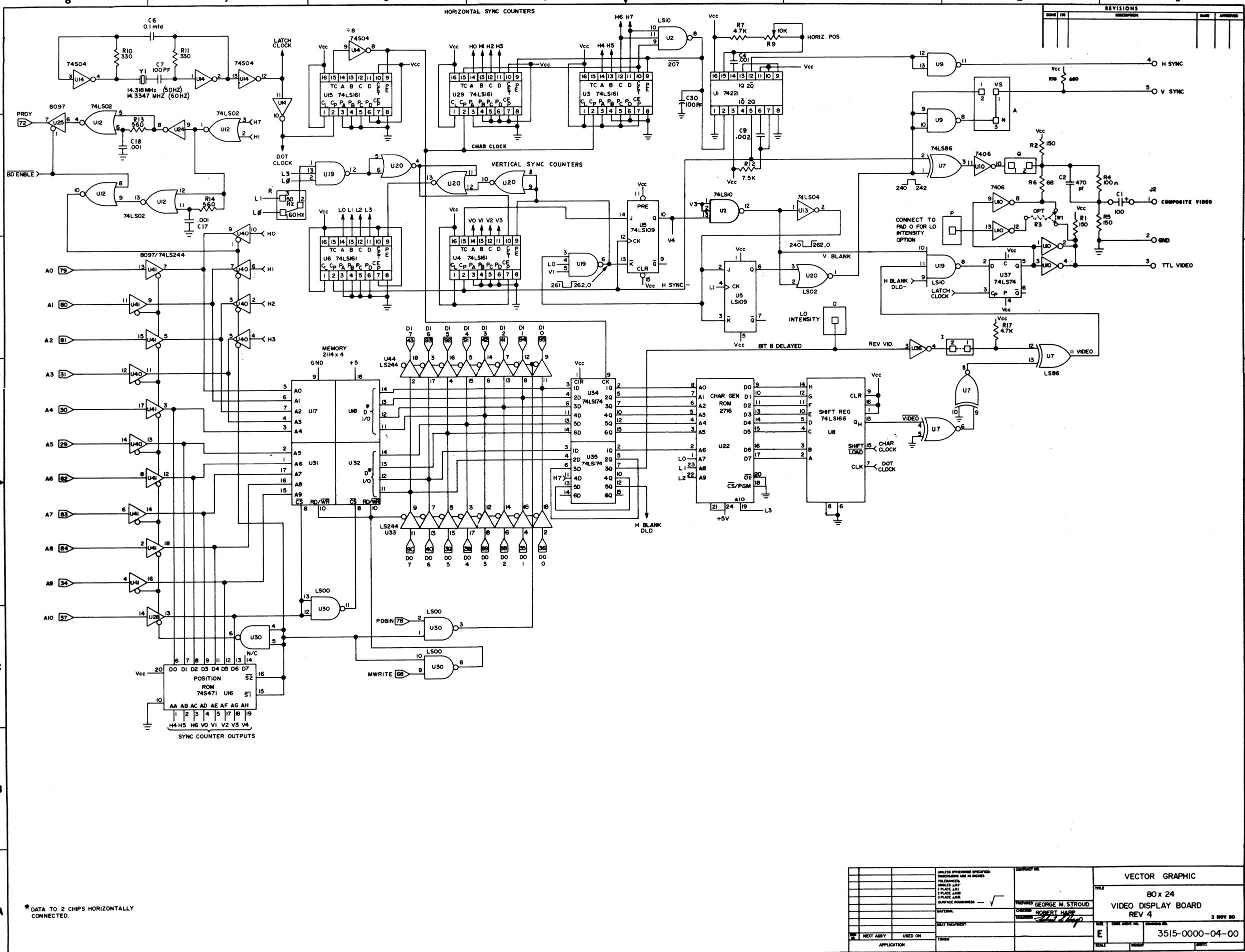
HORIZONTAL SYNC COUNTERS
VERTICAL SYNC COUNTERS
REVISIONS
ZONE
LTR
DESCRIPTION
DATE
APPROVED
C6 0.1 mfd
R10 330
R11 330
74S04
Y1
C7 100PF
14.318 MHz (50HZ)
14.3347 MHZ (60HZ)
LATCH CLOCK
DOT CLOCK
CHAR CLOCK
PRDY
72
8097
74LS02
R13 560
C18 .001
BD ENABLE
R14 560
C17 .001
8097/74LS244
A0 79
A1 80
A2 81
A3 31
A4 30
A5 29
A6 82
A7 83
A8 84
A9 34
A10 37
MEMORY 2114 x 4
U17
U31
U32
U8
RD/WR
CS
LS244 U44
LS244 U33
U34 74LS174
U35 74LS174
U22
CHAR GEN ROM 2716
U8
SHIFT REG 74LS166
SHIFT/LOAD
CLK
VIDEO
CHAR CLOCK
DOT CLOCK
H BLANK DLD
U16
POSITION ROM 74S471
SYNC COUNTER OUTPUTS
U30
LS00
PDBIN 78
MWRITE 68
U15 74LS161
U29 74LS161
U3 74LS161
U4 74LS161
U6 74LS161
U1 74221
R7 4.7K
R9 10K
HORIZ. POS.
C4 .001
C30 100PF
C9 .002
R12 7.5K
U5 74LS109
V BLANK
BIT 8 DELAYED
LO INTENSITY
H BLANK DLD
U37 74LS74
LATCH CLOCK
CONNECT TO PAD O FOR LO INTENSITY OPTION
R17 4.7K
REV VID.
11 VIDEO
H SYNC
V SYNC
R16 680
VS
R2 150
R6 68
C2 470 pf
R4 100 Ω
C1 100
R5 150
R1 150
R3 OPT
J2
COMPOSITE VIDEO
GND
TTL VIDEO
LS86
7406
U7
U9
U10
U19
U20
U2
U13
U36
*DATA TO 2 CHIPS HORIZONTALLY CONNECTED.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLES ±0.5°
1 PLACE ±0.1
2 PLACE ±0.03
3 PLACE ±0.01
SURFACE ROUGHNESS
NEXT ASS'Y
USED ON
APPLICATION
CONTRACT NO.
PREPARED GEORGE M. STROUD
CHECKED ROBERT HARP
ENGINEER
MATERIAL
HEAT TREATMENT
FINISH
VECTOR GRAPHIC
TITLE
80 x 24
VIDEO DISPLAY BOARD
REV 4
3 NOV 80
SIZE E
CODE IDENT. NO.
DRAWING NO. 3515-0000-04-00
SCALE
WEIGHT
SHEET